

Converting Colors

XYZ(22.0168, 23.2338, 82.2210)

Have a look what the booklet for
XYZ(22.0168, 23.2338, 82.2210)
contains.

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Color

**XYZ(24.2280, 24.4634,
82.0422)**

Conversions

Conversions Part 1

Format	Color
Hex	008BEB
RGB	0, 139, 235
RGB Percent	0%, 55%, 92%
CMY	0.9998, 0.4549, 0.0784
CMYK	1.00, 0.41, 0.00, 0.08
HSL	205°, 100%, 46%
HSV	205°, 100%, 92%
XYZ	24.2280, 24.4634, 82.0422
YIQ	108.3830, -113.6600, 0.3880

Conversions

Conversions Part 2

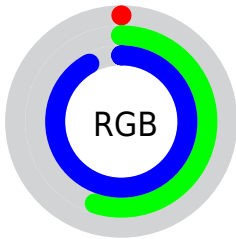
Format	Color
RYB	0, 87, 235
Decimal	35819
CIELab	56.55, 4.32, -56.91
CIElCh	57, 57.073, 274.338
Yxy	24.4634, 0.1853, 0.1871
Android (android.graphics.Color)	4278225899 (0xFF008BEB)
YUV	108.3830, 62.4222, -95.0519
Hunter-Lab	49.4605, 0.8816, -63.7245

Details

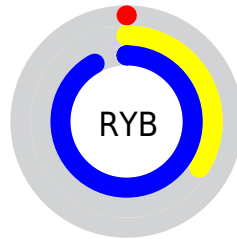
The XYZ color **24.2280, 24.4634, 82.0422** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **38.4500, 26.0394, 3.0013**, and the grayscale version is **14.2198, 14.9604, 16.2919**.

A 20% lighter version of the original color is **42.9630, 48.0451, 101.6170**, and **11.7928, 10.5670, 44.0659** is the 20% darker color. If you saturate the color by 10%, you get **24.2246, 24.4564, 82.0416**, and if you desaturate by 10%, it is **26.0467, 27.5567, 82.5440**.

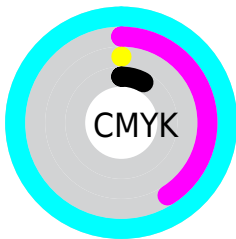
Distribution



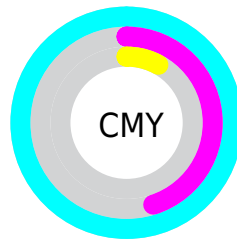
- Red (0%)
- Green (55%)
- Blue (92%)



- Red (0%)
- Yellow (34%)
- Blue (92%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (45%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2280, 24.4634, 82.0422 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 24.2280, 24.4634, 82.0422 by changing the saturation by 10% instead.

■ 24.2280, 24.4634,
82.0422

■ 24.2280, 24.4634,
82.0422

266.3903,
275.1550, 521.6760

■ 15.6285, 15.6777,
60.8643

■ 49.8540, 50.7854,
138.0704

■ 9.3508, 9.2964,
43.6858

■ 67.6112, 69.0904,
173.7578

■ 5.0296, 4.9350,
30.0882

■ 89.1516, 91.3374,
215.1187

■ 2.2996, 2.2092,
19.6529

■ 114.8407,
117.9107, 262.5718

■ 0.7945, 0.7250,
11.9614

■ 145.0437,
149.1947, 316.5355

■ 0.0000, 0.0000,
6.5952

180.1261,

■ 0.0000, 0.0000,

185.5738, 377.4284

3.1357

220.4532,
227.4325, 445.6691

■ 0.0000, 0.0000,
1.1643

■ 0.0000, 0.0000,
0.0000

■ 24.2280, 24.4634,
82.0422

■ 24.2280, 24.4634,
82.0422

■ 24.2246, 24.4564,
82.0416

■ 26.0467, 27.5567,
82.5440

■ 28.4327, 31.1281,
83.1076

■ 31.5293, 35.2559,
83.7411

■ 35.4214, 39.9881,
84.4494

■ 40.1806, 45.3655,
85.2365

■ 45.8698, 51.4247,
86.1062

■ 52.5456, 58.1986,
87.0618

■ 60.2600, 65.7176,
88.1065

■ 69.0608, 74.0100,
89.2433

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.1627, 24.4634, 74.8698



24.2280, 24.4634, 82.0422



31.1976, 24.4634, 69.5105

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.2280, 24.4634, 82.0422



35.4279, 24.4634, 10.9092



13.5607, 24.4634, 13.7611

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



24.2280, 24.4634, 82.0422



38.4500, 26.0394, 3.0013

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.7845, 24.4634, 6.4483



24.2280, 24.4634, 82.0422



29.2123, 24.4634, 5.4353

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



24.2280, 24.4634, 82.0422



38.3967, 24.4634, 23.9728



22.3020, 24.4634, 4.3126



12.7273, 24.4634, 29.4905

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.2280, 24.4634, 82.0422



35.2049, 24.4634, 54.0492



22.3020, 24.4634, 4.3126



14.3661, 24.4634, 10.5328

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



24.2290, 24.4641, 82.0429



63.1111, 69.9164, 104.7766



31.7314, 60.2263, 20.5509



12.7499, 14.2042, 22.3196



0.0000, 0.0000, 0.0000



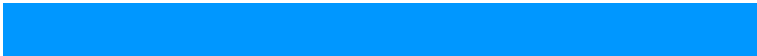
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.2290, 24.4641, 82.0429



29.0849, 29.2898, 98.7283



15.3138, 6.6337, 79.0711



14.9717, 16.0298, 19.2272



13.6106, 13.8683, 45.7025



1.1630, 1.2774, 3.6201

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



38.9221, 19.5277, 26.1443



46.8099, 23.4880, 31.2608



57.6819, 64.5032, 9.4120



15.4393, 15.2036, 17.5985



21.7253, 10.8928, 14.8867



1.7535, 0.8744, 1.4194

Previews

White Background



This preview shows how the XYZ color 24.2280, 24.4634, 82.0422 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.2280, 24.4634, 82.0422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

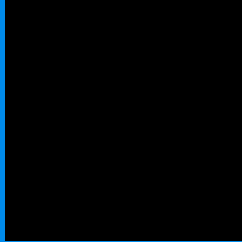
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2280, 24.4634, 82.0422

Background



This preview shows how black text looks on a background with the XYZ color 24.2280, 24.4634, 82.0422.



This preview shows how white text looks on a background with the XYZ color 24.2280, 24.4634,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

24.2280, 24.4634, 82.0422

Protanopia

26.8709, 24.4836, 76.7084

Deuteranopia

25.4512, 24.6513, 82.7736



Tritanopia

17.2515, 24.3508, 37.0486

Trichromacy



Original Color

24.2280, 24.4634, 82.0422

Protanomaly

24.9513, 24.0581, 78.9299

Deuteranomaly

24.8245, 24.5402, 82.7852

Tritanomaly

19.2485, 24.1456, 50.6598

Monochromacy



Original Color

24.2280, 24.4634, 82.0422

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.8838, 16.7920, 33.0286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2280, 24.4634, 82.0422 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 139, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 235)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 139, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 235) }
```

Border

The CSS property to change the border of an element to XYZ 24.2280, 24.4634, 82.0422 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 139, 235) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 139, 235) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 139, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2280, 24.4634, 82.0422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 235) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 139,  
235) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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